

IN THE CLAIMS:

Please **AMEND** the claims as follows:

1. (Currently Amended) A gas transfer machine for transferring a gas including a corrosive gas, comprising:

a pump rotor mounted on a rotatable shaft for transferring the gas including a corrosive gas;

a reluctance-type motor for rotating said rotatable shaft about its own axis directly coupled thereto,

said pump rotor and said motor being disposed in a housing;

a motor rotor having salient poles said motor rotor being made of highly-corrosion-resistant metal magnetic material, each of said salient poles being a protrusion portion of unitary formed rotating body;

a motor stator having magnetic poles, said stator being ~~molded~~ enclosed in a ~~highly corrosion resistant~~ highly-corrosion-resistant synthetic resin material molding which has a surface positioned radially inwardly of an inner circumferential surface of said stator,

wherein said salient poles of the motor rotor are attracted to rotate by magnetic forces generated by said poles of said stator.

2-3. (Previously Canceled)

4. (Previously Amended) A gas transfer machine according to claim 1, wherein said metal magnetic material comprises a magnetic alloy of iron and nickel.

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5. (Previously Amended) A gas transfer machine according to claim 1, wherein said metal magnetic material comprises permalloy.

6. (Previously Canceled)

7. (Currently Amended) A gas transfer machine according to claim 1, wherein said ~~resin material~~ highly resistant to corrosion highly-corrosion-resistant synthetic resin material molding comprises a can of synthetic resin or nonconductive material.

8. (Previously Canceled)

9. (Previously Added) A gas transfer machine according to claim 1, wherein said gas transfer machine comprises a gas circulating device having a circulating fan.

10. (Previously Added) A gas transfer machine according to claim 1, wherein said gas transfer machine comprises a vacuum pump.

11. (Currently Amended) A gas transfer machine for transferring a gas including a corrosive gas, comprising:

a pump rotor mounted on a rotatable shaft for transferring a gas including a corrosive gas;

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a reluctance-type motor for rotating said rotatable shaft about its own axis directly coupled thereto, said pump rotor and said motor being disposed in a housing;

a motor rotor having salient poles said motor rotor being made of highly-corrosion-resistant metal magnetic material, each of said salient poles being a protrusion portion of unitary formed rotating body, each of said salient poles having a permanent magnet enclosed within said protrusion portion of said unitary formed rotating body;

a motor stator having magnetic poles, said stator being ~~molded~~ enclosed in a highly-corrosion-resistant synthetic resin material molding which has a surface positioned radially inwardly of an inner circumferential surface of said stator,

wherein said salient poles of the motor rotor are attracted to rotate by magnetic forces generated by said poles of said stator.

12. (Previously Amended) A gas transfer machine according to claim 11, wherein said stator is embedded in a molded body of said resin material.

13. (Currently Amended) A gas transfer machine according to claim 11, wherein said ~~resin material~~ highly-corrosion-resistant synthetic resin material molding comprises a can of synthetic resin or nonconductive material.

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14. (Previously Amended) A gas transfer machine according to claim 11, wherein said metal magnetic material comprises an alloy of iron and nickel.

15. (Previously Amended) A gas transfer machine according to claim 11, wherein said metal magnetic material comprises permalloy.

16. (Previously Amended) A gas transfer machine according to claim 11, wherein said resin material highly resistant to corrosion comprises a can of synthetic resin or nonconductive material.